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☐ 1. Document ID: WO 9745474 A1 US 6225404 B1 SE 9602019 A AU 9729854 A SE 509240 C2 EP 902803 A1 CN 1223675 A JP 2000511219 W

L3: Entry 1 of 1

File: DWPI

Dec 4, 1997

DERWENT-ACC-NO: 1998-032601

DERWENT-WEEK: 200126

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TITLE: New thermoplastic compound used to prepare e.g. moulded articles - comprises thermoplastic (co)polymer with reactive or graftable site(s) and hyper-branched dendritic macromolecule

INVENTOR: BOOGH, L; MANSSON, J E ; PETTERSSON, B ; SORENSEN, K ; SOERENSEN, K ; EDVIN, J

PATENT-ASSIGNEE:

ASSIGNEE

CODE

PERSTORP AB

PEST

PRIORITY-DATA: 1996SE-0002019 (May 28, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9745474 A1	December 4, 1997	E	073	C08G081/00
US 6225404 B1	May 1, 2001		000	C08G063/20
SE 9602019 A	November 29, 1997		000	C08G081/00
AU 9729854 A	January 5, 1998		000	C08G081/00
SE 509240 C2	December 21, 1998		000	C08G081/00
EP 902803 A1	March 24, 1999	E	000	C08G081/00
CN 1223675 A	July 21, 1999		000	C08G081/00
JP 2000511219 W	August 29, 2000		081	C08G083/00

DESIGNATED-STATES: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 9745474A1	May 21, 1997	1997WO-SE00822	
US 6225404B1	May 21, 1997	1997WO-SE00822	
US 6225404B1	March 4, 1999	1999US-0194515	
US 6225404B1		WO 9745474	Based on
SE 9602019A	May 28, 1996	1996SE-0002019	
AU 9729854A	May 21, 1997	1997AU-0029854	
AU 9729854A		WO 9745474	Based on
SE 509240C2	May 28, 1996	1996SE-0002019	
EP 902803A1	May 21, 1997	1997EP-0924434	
EP 902803A1	May 21, 1997	1997WO-SE00822	
EP 902803A1		WO 9745474	Based on
CN 1223675A	May 21, 1997	1997CN-0195883	
JP2000511219W	May 21, 1997	1997JP-0542162	
JP2000511219W	May 21, 1997	1997WO-SE00822	
JP2000511219W		WO 9745474	Based on

INT-CL (IPC): B29 C 47/04; C08 G 63/00; C08 G 63/20; C08 G 81/00; C08 G 83/00; C08 J 5/00; C08 K 3/00; C08 K 5/00; C08 K 7/14; C08 K 9/00; C08 L 101/00

ABSTRACTED-PUB-NO: US 6225404B
BASIC-ABSTRACT:

comprises thermoplastic polymer or copolymer with reactive or graftable site(s) and hyperbranched dendritic macromolecule, composed of monomeric or polymeric nucleus with epoxide, hydroxyl, carboxyl and/or anhydride group(s) and optionally interspaced branching generations comprising monomer or polymeric branching chain extruder

USE - (I) is useful for the manufacture of aeronautic, nautic, household, automotive, sporting, leisure, commodity, electric and electronic goods and articles as well as interior and exterior building materials.

ADVANTAGE - (I) has good compatibilising properties. (XI) has improved mechanical properties.
ABSTRACTED-PUB-NO:

WO 9745474A
EQUIVALENT-ABSTRACTS:

comprises thermoplastic polymer or copolymer with reactive or graftable site(s) and hyperbranched dendritic macromolecule, composed of monomeric or polymeric nucleus with epoxide, hydroxyl, carboxyl and/or anhydride group(s) and optionally interspaced branching generations comprising monomer or polymeric branching chain extruder

USE - (I) is useful for the manufacture of aeronautic, nautic, household, automotive, sporting, leisure, commodity, electric and electronic goods and articles as well as interior and exterior building materials.

ADVANTAGE - (I) has good compatibilising properties. (XI) has improved mechanical properties.

TITLE-TERMS: NEW THERMOPLASTIC COMPOUND PREPARATION MOULD ARTICLE COMPRISE
THERMOPLASTIC CO POLYMER REACT GRAFT SITE HYPER BRANCH DENDRITE MACROMOLECULAR

ADDL-INDEXING-TERMS:
EPOXIDE HYDROXYL ANHYDRIDE CARBOXYL GROUP

DERWENT-CLASS: A28

CPI-CODES: A02-B; A02-C; A05-A01B; A05-E01A2; A10-C03; A10-E01;

ENHANCED-POLYMER-INDEXING:
Polymer Index [1.1] 018 ; A999 A782 ; A999 A419 ; S9999 S1070*R ; P0737*R P0635 H0293
F70 D01 D18 Polymer Index [1.2] 018 ; A999 A782 ; A999 A419 ; S9999 S1070*R ; H0317

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L2: Entry 1 of 1

File: DWPI

Jan 25, 1996

DERWENT-ACC-NO: 1996-097604

DERWENT-WEEK: 199610

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TITLE: Multi-hydroxy-functional oligo:phenylene oxide, used as a fluidity improver, -
obtd. by reacting a hydroxy:aryl-contg. cpd. and phenylene oxide, having a high
mechanical stability

INVENTOR: MEIJER, E W; OEVERING, H ; OUT, G J J ; VAN AERT, H A M ; WERUMEUS BUNING, G
H

PATENT-ASSIGNEE:

ASSIGNEE

CODE

DSM NV

STAM

PRIORITY-DATA: 1994BE-0000644 (July 11, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 9601865 A1</u>	January 25, 1996	E	016	C08G065/48
AU 9528092 A	February 9, 1996		000	C08G065/48

DESIGNATED-STATES: AM AU BB BG BR BY CA CN CZ EE FI GE HU IS JP KG KP KR KZ LK LR LT LV
MD MG MN MX NO NZ PL RO RU SG SI SK TJ TM TT UA UG US UZ VN AT BE CH DE DK ES FR GB GR
IE IT KE LU MC MW NL OA PT SD SE SZ UG

CITED-DOCUMENTS: 2.Jnl.Ref; EP 215257 ; EP 550209 ; GB 1119914 ; NL 6803930

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 9601865A1	July 10, 1995	1995WO-NL00242	
AU 9528092A	July 10, 1995	1995AU-0028092	
AU 9528092A		WO 9601865	Based on

INT-CL (IPC): C07 C 41/14; C07 C 43/23; C08 G 65/48

ABSTRACTED-PUB-NO: WO 9601865A

BASIC-ABSTRACT:

A multihydroxy-functional oligophenylene oxide (I) is new, obtd. by reacting in the
presence of a catalyst complex comprising a transition metal and an amine: (a) a
hydroxyaryl-contg. cpd. comprising at least three hydroxyaryl gps. of formula (i); and
(b) polyphenylene oxide (PPO); R1 = 1-50C aromatic or (cyclo)aliphatic gp.; R2, R3 = H
or as for R1; or two of the R1, R2 and R3 gps. together form a 4-50C ring structure.

Also claimed is a mixt. of PPO and (I).

USE - Used as a fluidity improving agent in other polymers such as PPO and mixts.
contg. PPO.

ADVANTAGE - The oligophenylene oxide has high mechanical stability, and high chemical resistance, and is obtd. by a simple process in a very pure form.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: MULTI HYDROXY FUNCTION OLIGO PHENYLENE OXIDE FLUID IMPROVE OBTAIN REACT HYDROXY ARYL CONTAIN COMPOUND PHENYLENE OXIDE HIGH MECHANICAL STABILISED

DERWENT-CLASS: A25 E14

CPI-CODES: A05-H07A; A08-M06; A10-E08C; E10-E02A; N02-D; N04-D01;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

A429 A940 A960 C000 C100 C710 C730 M411 M730 M903
Q421

Chemical Indexing M3 *02*

Fragmentation Code

M520 M730 M903 Q421

Chemical Indexing M3 *03*

Fragmentation Code

G010 G013 G017 G019 G020 G021 G029 G030 G035 G038
G039 G040 G050 G100 G111 G112 G113 G221 G299 G553
G563 G599 H4 H401 H402 H403 H404 H405 H441 H442
H443 H444 H8 M111 M112 M113 M119 M121 M129 M132
M139 M150 M210 M211 M212 M213 M214 M215 M216 M220
M221 M222 M223 M224 M225 M226 M231 M232 M233 M240
M280 M281 M282 M283 M311 M320 M321 M322 M342 M414
M510 M520 M531 M532 M533 M540 M541 M542 M543 M730
M903 M904 Q120
Markush Compounds
199610-D5201-Q

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 018 ; D01 D19 D18 D31 D76 D50 D86 F34 ; H0237*R ; P0997 P0964 H0293 F34
D01 D18 ; M9999 M2324 ; L9999 L2391 ; L9999 L2324 ; H0226 ; A999 A691*R ; A999 A782 ; S9999
S1627 S1605 Polymer Index [1.2] 018 ; D01 D18*R F30*R ; H0099 H0011 ; H0226 ; M9999 M2391 ;
L9999 L2391 ; A999 A691*R ; A999 A782 Polymer Index [1.3] 018 ; ND06 ; ND03 ; B9999 B4580
B4568 ; B9999 B4535 ; B9999 B5094 B4977 B4740 Polymer Index [1.4] 018 ; D01 D11 D10 D19 D18
D35 D76 D50 D95 F33 F30 ; H0226 Polymer Index [1.5] 018 ; Tr*R ; R03311 G2733 D00 D70 Cu 1B
Tr Cl 7A ; D01 D11 D10 D23 D22 D31 D76 D41 D50 D87 F08 F07 N* 5A ; C999 C102 C000 ; C999
C340 ; C999 C271 Polymer Index [1.6] 018 ; R00273 D01 D11 D10 D50 D69 D81 Cl 7A ; A999 A475
Polymer Index [2.1] 018 ; D01 D19 D18 D31 D76 D50 D86 F34 ; P0997 P0964 H0293 F34 D01 D18
Polymer Index [2.2] 018 ; ND00 Polymer Index [2.3] 018 ; A999 A691*R

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-031582

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Deso	Clip Img	Image
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